

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A ~~high-capacity~~ filtration media ~~consisting of~~ comprising a porous substrate impregnated with a composition consisting of a permanganate and water, wherein the permanganate is a permanganate salt having a solubility in water greater than that of potassium permanganate, wherein the concentration of permanganate salt in the filtration media is approximately 8-25% permanganate salt by weight, and ~~wherein the filtration media is configured to remove contaminants from a high flow air stream wherein the porous substrate comprises activated alumina and the filtration media comprises particles with a nominal 1/8" particle size.~~

2. (Previously presented) The filtration media of claim 1, wherein the permanganate salt is selected from the group consisting of sodium permanganate, magnesium permanganate, calcium permanganate, barium permanganate, lithium permanganate and combinations thereof.

3. (Previously presented) The filtration media of claim 1, wherein the filtration media comprises at least about 13 to about 25% permanganate salt by weight.

4. (Previously presented) The filtration media of claim 1, wherein the filtration media comprises at least about 15 to about 20 % permanganate salt by weight.

5. (Canceled).

6. (Canceled).

7. (Previously presented) The filtration media of claim 1, wherein the permanganate salt comprises sodium permanganate.

8. (Canceled).

9. (Currently amended) The filtration media of claim 1, wherein the porous substrate further comprises ~~activated alumina~~, a silica gel, a zeolite, a zeolite-like mineral, kaolin, an adsorbent clay, activated bauxite, or a combination thereof, and wherein the porous substrate is between about 40 and about 80% by weight of the filtration media.

10. (Previously presented) The filtration media of claim 9, wherein the zeolite or zeolite-like mineral is selected from amicitite, analcime, pollucite, boggsite, chabazite, edingtonite, faujasite, ferrierite, gobbinsite, harmotome, phillipsite, clinoptilolite, mordenite, mesolite, natrolite, garronite, perlialite, barrerite, stilbite, thomsonite, kehoite, pahasapaite, tiptopite, hsianghualite, lovdarite, viseite, partheite, prehnite, roggianite, apophyllite, gyrolite, maricopaite, okenite, tacharanite, tobermorite and combinations thereof.

11-33. (Canceled).

34. (Currently amended) The filtration media of claim 1, wherein the filtration media is configured to remove contaminants from an air stream moving through the filtration media at a ~~flow rate~~ velocity of from 10 to 750 ft/min.

35. (Currently amended) The filtration media of claim 34, wherein the filtration media is configured to remove contaminants from an air stream moving through the filtration media at a ~~flow rate~~ velocity of from 60 to 100 ft/min.

36. (Previously presented) The filtration media of claim 1, wherein the contaminants are selected from the group consisting of sulfur compounds, ammonia, chlorine, formaldehyde, urea, carbon monoxide, oxides of nitrogen, mercaptans, amines, isopropyl alcohol, ethylene and combinations thereof.